

THE OFFICIAL SHOW GUIDE TO

THE WORLD OF
COMMODORE

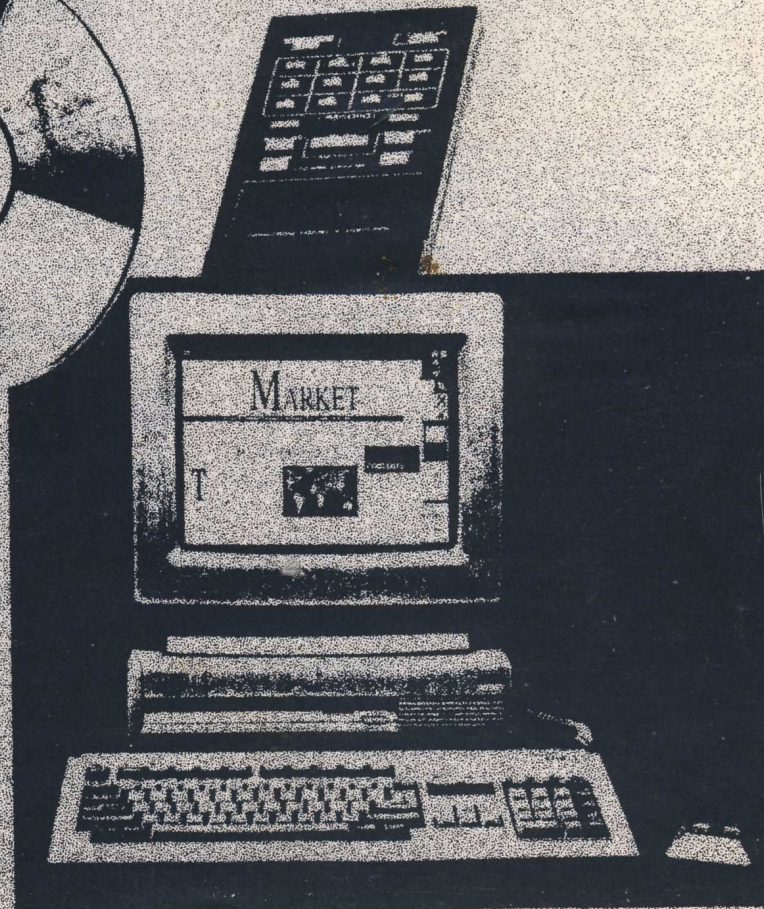
AMIGA



**1990
TORONTO
INTERNATIONAL
CENTRE**

SHOW DATES AND TIMES:

Friday, November 30: 10 a.m.-9 p.m.
Saturday, December 1: 10 a.m.-6 p.m.
Sunday, December 2: 10 a.m.-6 p.m.





Capture gray-scale images with a single hand.

Capturing gray-scale images for your favorite Amiga® video applications can be expensive, complicated, and tedious — but it doesn't have to be. Let Migraph lend a hand with the Migraph Hand Scanner and Touch-Up.

With our affordable hardware-software team you can scan, edit, and manipulate any image and then save it — or any portion of it — as an optimized gray-scale IFF file.

In just minutes you can single-handedly digitize color or black-and-white photographs, logos, and line art for export to Deluxepaint III, Digi-Paint 3.0, and other popular programs. And it won't cost you an arm and a leg to do it.

Quality hardware for a quick capture.

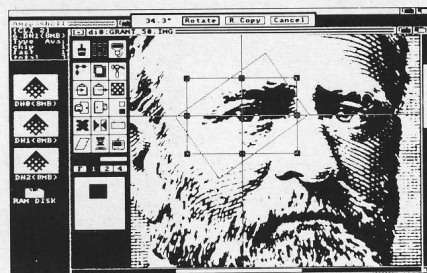
The Migraph Hand Scanner makes quick work of digitizing any flat artwork (up to 4x14 inches) in a single pass.

Fine-tune each scan with custom settings and you're ready to go. Our scanner features four scanning resolutions — 100, 200, true 300, or true 400 dots per inch. Adjustable contrast. Three dither settings for halftones. And a special setting for line art.

Seconds after passing the Migraph Hand Scanner over your artwork, a bit-mapped monochrome image appears on your screen, ready for editing.

Smart software with an artist's touch.

Migraph Touch-Up is the complete image editor and design tool for monochrome images.



Editing features like Rotate-by-degree give images that professional touch.

Its versatile editing functions include all the standard commands — plus powerhouse extras like Rotate-by-degree, Change-center-of-rotation, and Scan-to-clip area (perfect for

combining multiple images on one screen).

And Touch-Up's flexible editing tools work at all four zoom levels. So it's easy to edit the full-view image.

Compatibility is Touch-Up's specialty. It saves a wide variety of file formats, including true 16-level and apparent 31-level gray-scale IFF — ideal for export to color paint programs and other video applications. Touch-Up even optimizes the full-screen image height for NTSC video displays.

The Migraph Hand Scanner and Touch-Up. Powerful tools for professional images.

Gray-scale and high-contrast images — from desktop to disk in minutes. And you can do it all with one hand behind your back.

Ask your dealer for a demonstration today.



For Amiga 500, 1000, 2000, and 2500 systems with 1MB of memory and Workbench 1.2 or higher. A hard disk is recommended.



**world of
commodore
AMIGA**

Contents

☐ Letter of Welcome	2
☐ Commodore Sets the Standard for the 1990s	3
☐ Map & Booth Listings	8-9
☐ Exhibitor Addresses & Products	10-13
☐ Seminars & Presentations	14
☐ Classrooms	16

The World of Amiga Official Show Guide is published by
COMPUTE Publications International Ltd.
324 West Wendover Avenue, Suite 200, Greensboro, North Carolina 27408; (919) 275-9809.

COMPUTE Publications has made every effort in the preparation of this show guide to ensure the accuracy of the information. All information has been provided to COMPUTE by the companies involved, and COMPUTE assumes no liability for any errors.

The World of Amiga is produced and managed by
The Hunter Group Inc., 204 Richmond Street West, Suite 410, Toronto, Ontario, Canada M5V 1V6; (416) 595-5906
in association with Commodore Business Machines.



Dear Showgoers,

All of us at Commodore and our dealers join with the exciting and imaginative people who are showing and demonstrating software and peripherals for Commodore computers to welcome you to the eighth annual World of Commodore in Toronto.

Commodore is pleased to present, for the first public showing anywhere, our CDTV. CDTV is a new and exciting product marrying CD-ROM technology with our own Amiga operating system. The result is an instructional and entertaining product designed for the living room of the 1990s. Interactive TV becomes a reality with this new category of product providing a wealth of CD-based knowledge. The product appeals to both computer owners and to the uninitiated. Available in the first quarter of 1991, this product is a must-see at the Commodore booth.

Again this year, many events will be oriented towards contributing to The Variety Club of Ontario. Commodore is pleased to be working with such an important organization.

Explore the many facets of Commodore and our computers. The exciting new software and peripherals will expand the use of our products into areas beyond your imagination. Have fun at the show and thank you for coming and making this World of Commodore the best ever.

James J. Dionne
President and General Manager
Commodore Business Machines Limited

Commodore Sets the Standard for the 1990s.

ROGER BURNSIDE

We have been hearing for a decade now about *revolutionary* computer products, *leading edge* technology, and *professional-level* systems for home and business. Yet the reality seldom matches the promises. We consumers have learned to take the promises with large grains of salt. We are no longer surprised when *multitasking* computers do only one thing at a time. Or when *interactive* equipment doesn't want to listen or talk to us. Or when *professional-quality* systems don't produce results that professionals can use. What a great relief, then, to find that one manufacturer really delivers on its promises.

Commodore Business Machines says it is leading the computer world into the 1990s. Looking at Commodore's lineup of computers, software, and multimedia equipment, I have to agree. Led by Commodore's new CDTV player and the Amiga 3000, Commodore products are indeed putting more power into the hands of home and business computer users than ever before imagined. All the words apply: *revolutionary*, *interactive*, *professional*, *leading edge*, *visionary*. . .

In 1990 the superlatives can all be summed up in one word: *multimedia*. *Multimedia* has become a buzzword in the computer world over the past year. Everyone has tried to jump on the bandwagon, claiming to be able to integrate computers, video, music, text, graphics, and animation to some degree or another. But Commodore is the acknowledged master of multimedia. *Byte* magazine recently called Commodore's Amiga the "pioneer" of multimedia. Since the first Amiga was launched five years ago, Commodore has developed the most complete, powerful line of products to help businesses, home users, schools, artists, designers—almost anyone—to create their own professional quality productions.

A culmination of this development is the recently announced Commodore Dynamic Total

Vision (CDTV) player, the first truly interactive, integrated entertainment and information system. The CDTV player is being previewed at the World of Commodore/Amiga show in Toronto, where many people will experience its power for the first time. Other multimedia stars from Commodore include the Amiga 3000 videographics workstation and *AmigaVision*, the software that makes it all easy for the average user.

With Commodore's multimedia products, a business can produce spectacular, full-color presentations or promotional productions for computer display, 35mm slides, and overhead transparencies. A company can also create its own computerized training programs without having programmers working months on computer codes. Home users can create their own publications, video flicks, and audio recordings as if they had professional studios in their homes. (In fact, they do have their own studios with Commodore equipment—the same equipment used increasingly by professionals for print, television, film, and record production.) They can also enjoy entertainment and participate in entertainment as never before in their homes.

The professional, creative applications of Commodore's products are unlimited. Just a few examples:

"I've been using Amigas for network broadcast programming for four years, for network television series such as 'Adderley,' 'My Secret Identity,' and 'War of the Worlds.' Basically, the Amiga did the onscreen graphics that we use for those shows better than any other available system," says James Tamblyn of Triumph Entertainment.

"It's a godsend. I get the work done a lot easier, and it allows me more creativity," says Robin Paul, senior graphic designer for outdoor advertising firm MediaCom. She uses the Amiga to create wall posters and mall directories for locations

Commodore Dynamic Total Vision

Roger Burnside

CDTV. Remember those initials. You're going to hear them a lot. Even better, you may be using them a lot yourself. That is, if you become the proud owner of a Commodore Dynamic Total Vision (CDTV) player.

CDTV combines advanced electronics and computer technology to put a multimedia center in your home. It may be the first home entertainment and information system to truly deserve being called *interactive*. By integrating the functions of audio, video, and computer systems in a single package, it provides the functions of those systems plus much more.

Sound complicated? Yet CDTV is as simple to use as a television remote control. If you thought the first initials in the name stood for Compact Disc, you're not far wrong. The sleek black machine looks similar to a audio compact disc player. In fact, it uses compact discs for storage—more than 550 megabytes of data on each one. This storage medium enables programmers to design applications that are far more sophisticated than those on any existing computer or home entertainment product.

So what can CDTV do for you? It can let you play games more interactively than ever before—with greater complexity and stunningly realistic visual images. It lets you participate actively with music and books. It involves children in exciting, interactive learning programs. It enhances music of all styles with brilliant video graphics. It guides you through instructional programs on topics like sports, cooking, foreign languages, business, and self-improvement. It accesses detailed information listed in reference materials like encyclopedias, world atlases, and almanacs. It also plays conventional audio compact discs like a fully programmable CD player and CD+G (Compact Disc audio with Graphics) discs.

The player connects directly to any television set or RGB monitor as well as to your home stereo unit. A ten-key remote control is all you need to operate the system, although CDTV also has ports for an optional keyboard, joystick, or mouse. The front panel of the basic CDTV player has a "smart card" port to let you store up to 64 kilobytes of data. You can save games in progress, personal finance projects, and other activities and then turn the player off without loss. Reinserting the card causes the program to resume where you left off. Ports on the rear panel allow connection to an external floppy disk drive, modem, and parallel printer. CDTV also has a standard to allow programs to be downloaded to Hi8 or VHS videocassette recorders.

The audio functions of the player are completed by a 24-hour clock, stereo headphone jack, and fluorescent display to time, track, and volume information.

Inside the unit lies the power of a Motorola 68000 16-/32-bit processor and one megabyte of RAM. Commodore is expecting to have a wide selection of applications available soon for use on the CDTV player. Also in the works are a number of peripheral products to be announced shortly.

in Ontario, Quebec, and Nova Scotia.

Prominent Canadian artist Charles Pachter has used the Amiga to produce a 1989 awards poster and for other works. He was so impressed that he wrote a two-page spread about his experience for the *Toronto Star*.

As Commodore's multimedia products make their way into homes, businesses, and professional use, we can expect more of the same excited response. So it's apparent that, as computing enters the 1990s, Commodore is setting the standard. Of course, for many of us who have been interested in computers for many years and have watched the industry grow, this news is hardly surprising. We remember a similar trend at the beginning of the last decade. In fact, Commodore has always been a leader in the development of technology.

Founded in 1958 in Toronto, Commodore became by the 1970s the top manufacturer of handheld calculators (the last word in technological convenience back then). Soon after, it became a microcomputer trailblazer with the PET and other 8-bit computers. In the early 1980s the manufacturer put computing power in the hands of millions of people with the VIC-20 and Commodore 64, which became the most popular computer of all time. With these successes Commodore was on the way to becoming the billion-dollar company with subsidiaries in 65 countries that it is today.

In 1985 Commodore began shipping its first PCs. It quickly became the second largest vendor of MS-DOS-compatible computers in Canada. The line now includes AT-compatible systems and a 80386-based computer. The most recent addition has been a laptop PC, the C286-LT. The incredible thing about this computer is that it has the power of an AT-compatible system with a 20-megabyte hard disk and VGA graphics and yet takes up only about as much space as a couple of letter-size notepads. Perfect for carrying in a briefcase.

But one of Commodore's most significant milestones was the introduction of the Amiga. Its capabilities set it apart in 1985 and still do. The Amiga has a color palette range of 4096 available colors, hardware-based graphics, high-speed video animation, true multitasking capability, four synthesized audio channels, windowing, an icon-based user interface, and many more incredible features. Many computers claimed multitasking capability over the next few years, but the Amiga was the only stand-alone personal computer that could actually run two or more programs at the same time at full speed—the true meaning of *multitasking*. It was also the first microcomputer with software capable of four-color process separation. This has made it possible to create all the stages of electronic prepress production, from word processing through film, for complete full-color publications, many of which you can find on the newsstands.

The Amiga was designed for multimedia use. For example, it has created and defined the entire field of desktop video. Skillful users around the world are creating animated video imagery for home entertainment, education, corporate training, point-of-sale demonstrations, and broadcasting. The Amiga line has continued to develop since its inception. With the introduction of the Amiga 2000's unique Commodore XT and AT bridgeboard options, the Amiga forged a vital link with the MS-DOS computing world. The Amiga's multitasking ability lets AmigaDOS and MS-DOS software run simultaneously.

Today a full line of Amigas is available. The affordable A500 is designed for the home, educational, and home video computer markets. The powerful A2000/HD and A2500 models are suited to the demanding commercial, scientific, educational, and professional graphic arts applications. The new Amiga 3000 is the center of a video-graphics workstation for professional users. This computer has the power (32-bit processor, up to 25 MHz, 2MB RAM standard, eight custom processing chips) to deliver unprecedented digital stereo sound, graphics, video, and animation. The Amiga operating system has been rewritten to make all this multimedia power easy to handle. Compared to any other system, it is also extremely cost-effective—"designed for the '90s and priced for virtually everyone," as Commodore puts it.

AmigaVision is Commodore's unique software that brings all the multimedia applications and professional results of the Amiga within the reach of the average computer user. It's called an *authoring system* because it lets you write a presentation or training program involving any or all of the Amiga's multimedia capabilities without any programming experience.

The eighth annual World of Commodore/Amiga is our first glimpse at some of these great new products of the 1990s. It also gives us the chance to see, try, and buy some of the most popular hardware, software, and accessories available today. Among the highlights not to be missed:

- **Multimedia displays.** Commodore is previewing the new CDTV player in addition to featuring Amigas, *AmigaVision*, and many more software products used to create multimedia productions. You'll find finished creations as well as the products used to create them, including a wide range of third-party equipment, such as laser discs, MIDI, and audio/video equipment, integrated with Commodore equipment. You'll also see demonstrations of the latest programs that harness the Amiga's multimedia capabilities—and you'll have a chance to use them yourself.
- **Amiga network.** An Amiga-based network for educational use is being introduced by Commodore.
- **Amiga Developers Group.** This booth gives local program designers the opportunity to show off their efforts. Some of the top names in software publishing demonstrate and discuss their latest programs for the Amiga.
- **Stage Presentations.** Free with show admission, stage presentations take place at the Commodore booth. A wide variety of hardware and software is demonstrated by its creators and other top computing experts.
- **Seminars.** World of Commodore/Amiga seminars have become well known for their educational value for computer users. They are free for showgoers. Sessions introduce beginners to various aspects of Amiga and Commodore computing as well as help expand the horizons of veteran users.

This is only a small part of the World of Commodore/Amiga. You'll also find all manner of new and exciting software, peripherals, and accessories for Commodore computers, both from Commodore and third-party suppliers. There's a lot to see and learn here that will affect our lives as we move into the 1990s with Commodore. That's another promise.

Roger Burnside is a Canadian freelance journalist who specializes in home entertainment and electronic issues.



ALIENS ATTACK CAROLERS

Kidnapping Plot Foiled By S. Claus

Fortunately the Christmas software shopper won't be abducted by high prices at California Shareware. Although there may be space aliens lurking among company employees (rumor has it that the Amiga Librarian is from a planet circling the star Betelgeuse), this has no effect on the quality or quantity of software in our library. Each program is reviewed, rated, and combined with others of similar themes to make it easy for you to decide on a disk. You are also GUARANTEED a VIRUS-FREE environment. Listed below are the latest and greatest additions to our Amiga library, each one just \$3.99! From all of us at California Shareware, have a Merry Christmas and a Happy New Year!

☐ **ART BY SCOTT WHITE (9258)** - A collection of art from our resident artist. Includes Exocet, WDW, Robotics#2, X-31#2, Nuda, Eyefloat, Nightfall, and many more.

☐ **COLOR CLIP ART/2 (9259)** - Collection of hi-res color clip art for use in a DTP program. Includes Christmas 1, 2, & 3, Cartoons, School, Microscope, and many more.

☐ **GAMES/8 (9256)** - Four new games for your enjoyment. Included are Rollon, a Pengo-type game, Slotcars, a racing game, Simpsons, featuring Bart, and Welltrix, an addictive game where you must line up blocks to score points.

☐ **MEDICAL CLIP-ART (9261)** - For those of you in or near the medical profession, here is a collection of color clip-art in a medical vein. Human heart, kidney, and more, as well as surgical and other medical instruments.

☐ **BATTLEFORCE (9257)** - A strategic game where you lead an army of mechanical warriors on a strategic battlefield. Includes map maker to create your own battlefields.

☐ **JUGGETTEII (9254)** - The revenge of Juggette. Another hilarious animation from Eric Schwartz featuring the familiar Juggler and Juggette.

We feature the ENTIRE Fred Fish collection.

Call, write, or stop by our booth today for a FREE catalog:
1-800-992-6621

CALIFORNIA SHAREWARE
42263 50th St. West, Suite 422C, Quartz Hill, CA 93536
 1-805-273-0550
 Hours: Mon - Fri 7:00 AM - 5:00 PM PST
We accept Visa and MasterCard

Send order and payment along with name and address to the above

CMD • Your Memory Location • CMD

HD Series™ Hard Drives

THE NEW STANDARD
IN 64/128 HARD DRIVES



The CMD HD series of hard drives for the Commodore 64 and 128 have been designed to provide the highest level of compatibility and performance. These drives incorporate the latest in SCSI technology with advanced circuit design to bring you the most features at an affordable price. CMD drives allow you to achieve the higher level of productivity you require to get the most from your existing software - today!

- Compatible with GEOS™, CP/M™, BBS programs and most commercial software.
- 3 1/2" SCSI technology for quiet reliable operation in a compact case about the size of a 1581.
- Built-in Commodore compatible DOS responds to all 1541, 1571 and 1581 commands.
- Up to 254 partitions in sizes ranging from 256 blocks to 65,280 blocks each.
- Built-in real time clock automatically time and date stamps all files.
- Compatible with Amiga, IBM and Macintosh systems for convenient upgrading.
- Connects easily to the serial bus, leaving ports open for use with cartridges, REU's and RAMLink.
- Supports all serial and JiffyDOS protocols, plus parallel interface for connection to RAMLink.
- Easy-to-use utilities allow backing up and copying files to and from 1541, 1571, or 1581 drives.
- Supports an unlimited number of true subdirectories which share all blocks within a partition.
- Built-in Q-Link software allows easy access to America's most popular 64/128 online service.
- External power supply avoids overheating and wear on computer power supply.
- Includes standard SCSI port and all utilities needed to expand the system (up to 4 Gigabytes).

HD-20 \$599.95 • HD-40 \$799.95 • HD-100 \$1149.95 • HD-200 \$1499.95

SD Series SCSI Hard Drives - Add-on drives for the CMD HD or any other SCSI interfaced computer such as the Amiga™, Macintosh™ or IBM™. SD series drives come mounted in our sturdy steel case and include an external power supply and connecting cable. SD drives also come equipped with a second SCSI port to allow chaining of additional SCSI devices.

SD-20 - \$449.95 SD-40 - \$549.95 SD-100 \$899.95 SD-200 \$1299.95

Lt. Konnector - Increase the performance and compatibility of your LTK and CMD HD. The Lt. Konnector allows you to connect the two drives for greater capacity. \$19.95 (\$14.95 with purchase of any HD or SD drive)

JiffyMON - A high performance Machine Language Monitor designed to work in conjunction with JiffyDOS. JiffyMON is loaded with useful features and can be used without exiting from BASIC. It also has a built-in drive monitor for easy access to drive memory. JiffyMON comes complete with a well documented user's manual and offers features just not found in other machine language monitors. \$19.95 + \$1 S/H

Serial Cables - 30' high quality serial cables. \$3.95 + \$1 S/H

1541-II/1581 Replacement Power Supplies

These switching power supplies are the same heavy duty, cool running units found on the HD series hard drive and are much more reliable than the supplies issued by Commodore as standard equipment. They are also repairable and reasonably priced. \$49.95 + \$6.00 S/H

- Supports CMD HD Series Hard Drives and RAMLink.
- 1581 support. Simplified partition selection.
- Quick printer output toggle. No more complicated command sequences.
- Adjustable sector interleave. Increase performance on hard-to-speedup software.

JiffyDOS™ Version 6.0

The Ultimate Disk Drive Speed Enhancement System

JiffyDOS 64 System - \$59.95 JiffyDOS 128 System - \$69.95

Each system includes computer Kernel ROM(s) and one drive ROM.

Please specify computer and drive model numbers and serial numbers when ordering.

Additional Drive ROMs - \$29.95 each.

- Ultra-fast multi-line serial technology. Enables JiffyDOS to outperform Cartridges, Burst ROMs, Turbo ROMs, and Parallel Systems - without any of the disadvantages.
- Speeds up all disk operations. Load, Save, Format, Scratch, Validate, access PRG, SEQ, REL, USR & direct-access files up to 15 times faster!
- 100% Compatibility Guarantee - Guaranteed to work with all Software and Hardware
- Uses no ports or extra cabling. ROMs install internally for speed and compatibility.
- Easy installation. No experience or special tools required for most systems.
- Supports C64, 64C, SX64, C128, C128D, 1541, 1541C, 1541-II, 1571, 1581
- Can be completely switched out. Returns you to a 100% stock configuration
- Built-in DOS Wedge. Plus 17 additional commands and convenience features.

- Built-in two drive file copier. Supports all file types and drive types.
- REU support. Fully supports Commodore REUs (RAM Expansion Units) under RAMDOS.
- Enhanced text screen dump. Auto-recognition of uppercase/graphics & lowercase.
- Redefinable 64-mode function keys. Easily redefine the keys to suit your specific needs.

• SUPER SAVINGS COUPON •

CMD HD-40 - \$750
CMD HD-100 - \$1100
CMD HD-200 - \$1400

To receive these low prices (US & Canada), send in this coupon with your order. For ordering, shipping and credit card details see the adjoining box. Offer expires 12/31/90. Foreign orders add \$100.00.

Ordering Information and Shipping Charges

HD and SD Hard Drives: Continental US: \$25.00 per drive (UPS ground), \$35.00 (2nd-Day), \$45.00 (Next-Day). Canada: \$50.00 (Airmail). COD to U.S. only \$4.00 add'l charge. Foreign prices: 20Mb, \$699.95, 40Mb, \$899.95, 100Mb, \$1249.95, 200Mb, \$1599.95 Postage: \$35.00
JiffyDOS & Lt. Konnector: Add \$4.50 per order (UPS ground), \$8.50 (2nd-Day Air), plus \$4.00 for APO, FPO, AK, HI, and Canada, or \$14.50 for overseas orders. No additional shipping if ordered with any hard drive. COD's to US only - add'l \$4.00
Tax: MA residents add 5% sales tax.
Terms: We accept VISA, MasterCard, Money Orders, C.O.D., and personal checks (allow 3 weeks for personal checks to clear). Credit card orders provide the following: Card holders name, billing address, home/work phone, card number, expiration date and issuing bank.

• WE VERIFY ALL CREDIT CARD INFORMATION AND PROSECUTE INDIVIDUALS ATTEMPTING TO PERPETRATE FRAUD •

Note: Prices and specifications subject to change without notice. Geos is a trademark of Berkeley Software, CP/M is a trademark of Digital Research, Commodore 64, Commodore 128, Commodore 1541, Commodore 1541-II, Commodore 1571, Commodore 1581 and Commodore RAMDOS are registered trademarks of Commodore International, Amiga is a trademark of Commodore-Amiga, Macintosh is a trademark of Apple Computer, IBM is a trademark of International Business Machines, Lt. Konnector is a trademark of Xetec Inc. and Fiscal Information Inc.

**Now accepting
advance orders
Call for details**

RAMLink™

**Power-backed REU interface and
expandable RAM Disk**



What is RAMLink?

RAMLink is a multi-purpose hardware interface designed to overcome the limitations of existing RAM expansion units (REUs). RAMLink delivers the performance and compatibility lacking in past REU's by incorporating CMD's proprietary RL-DOS and advanced features into a compact unit which allows most software to utilize Commodore 1700 series REU's, GEORAM, PPI's RAMDrive, and CMD's RAMCard as if it were a disk drive. Optional RAMCard installs internally and can be used alone or in combination with the storage of an external REU for a maximum capacity of 16 Megabytes.

- Supports Commodore 1700, 1764, 1750, Berkeley Softworks GEORAM and PPI's RAMDrive.
- Optional RAMCard allows RAMLink to be used as a RAM Disk with or without a separate REU. User Expandable from 1 Mb to 16 Mb using standard SIMMs.
- Pass-thru connector allows use of cartridge port peripherals such as utility cartridges.
- Reset, Disable, Direct Access mode and SWAP functions are all standard features.
- RAM port provides power back-up to REU's.
- Parallel port provides ultra-fast data transfer when connected to CMD HD series hard drives.
- Optional battery backup unit protects against power outages.

RAMLink (w/out internal RAM)	\$149.95	RAMCard w/ (1 Mb)	\$149.95
RAMLink w/ RAMCard (1 Mb)	\$259.95	RAMCard w/ (2 Mb)	\$239.95
RAMLink w/ RAMCard (2 Mb)	\$349.95	RAMCard w/ (3 Mb)	\$329.95
RAMLink w/ RAMCard (3 Mb)	\$439.95	RAMCard w/ (4 Mb)	\$419.95
RAMLink w/ RAMCard (4 Mb)	\$529.95	1 Mb SIMM (User Installed)	\$100.00
RAMLink Battery back-up unit	\$24.95	Parallel Cable for CMD HD	\$14.95

Shipping: US: \$10.00 (UPS), \$18.00 (2nd day), COD add \$4.00 Canada \$20.00

POWERFUL FEATURES MAKE RAMLINK AND RAMDRIVE USEFUL AND AFFORDABLE

- Allows vast amounts of commercial software, including GEOS, to access your REU as a high-performance RAM Disk.
- RL DOS performs up to 20 times faster than Commodore RAMDOS and provides full DOS command compatibility.
- Up to 32 1541/1571/1581 emulation or Native mode partitions.
- Separate power supply eliminates RAM data loss when turning off the computer; battery backup protects against power outages.
- Includes built-in JiffyDOS Kernal routines for high-speed disk access with JiffyDOS equipped disk drives.
- Software for copying files and complete disks included.

What is RAMDrive?

RAMDrive is a fresh new approach to RAM expansion for the Commodore 64 and 128. RAMDrive is a self contained battery backed cartridge with capacities of 512K, 1 Mb and 2 Mb. RAMDrive incorporates RL-DOS, an ultra-fast, easy-to-use operating system similar to the HD-DOS found in CMD HD series hard drives. This proprietary DOS allows various types of partitioning along with compatibility and speed unsurpassed by previous RAM Expansion systems.

- Compatible with vast amounts of commercial software as an ultra-fast RAM disk.
- RL-DOS operates up to 20 times faster than Commodore's RAMDOS.
- Power back-up eliminates the loss of files upon powering down the computer while the battery protects data during transportation or power outages.
- Available in 512K, 1 Mb and 2 Mb models at incredibly low prices.
- DOS includes JiffyDOS Kernal routines for high speed disk access with JiffyDOS equipped disk drives.
- Software for copying and GEOS compatibility included.
- Reset switch allows computer reset without losing data in RAMDrive.
- Disable switch allows RAMDrive to be disabled at any time.

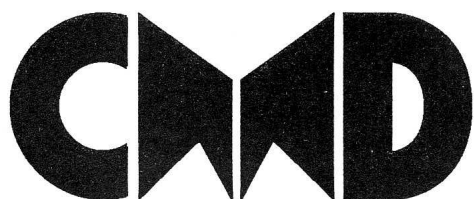
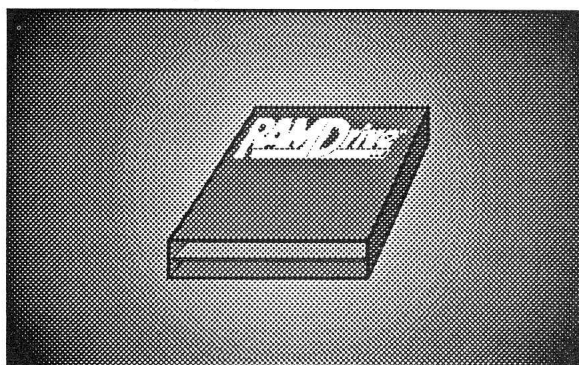
RAMDrive w/512K \$149.95 RAMDrive w/1 Mb \$199.95 RAMDrive w/2 Mb \$289.95

Shipping: US: \$7.50 (UPS), \$14.00 (2nd day), COD add \$4.00, Canada \$15.00. See Ordering and Shipping information elsewhere in this ad for credit card information.

RAMDrive™

**HIGH PERFORMANCE BATTERY
BACKED RAM DISK CARTRIDGE**

Designed and manufactured by
**PERFORMANCE
PERIPHERALS Inc.**



Creative Micro Designs, Inc.

50 Industrial Dr., P.O. Box 646, East Longmeadow, MA 01028

Order line: 800-638-3263

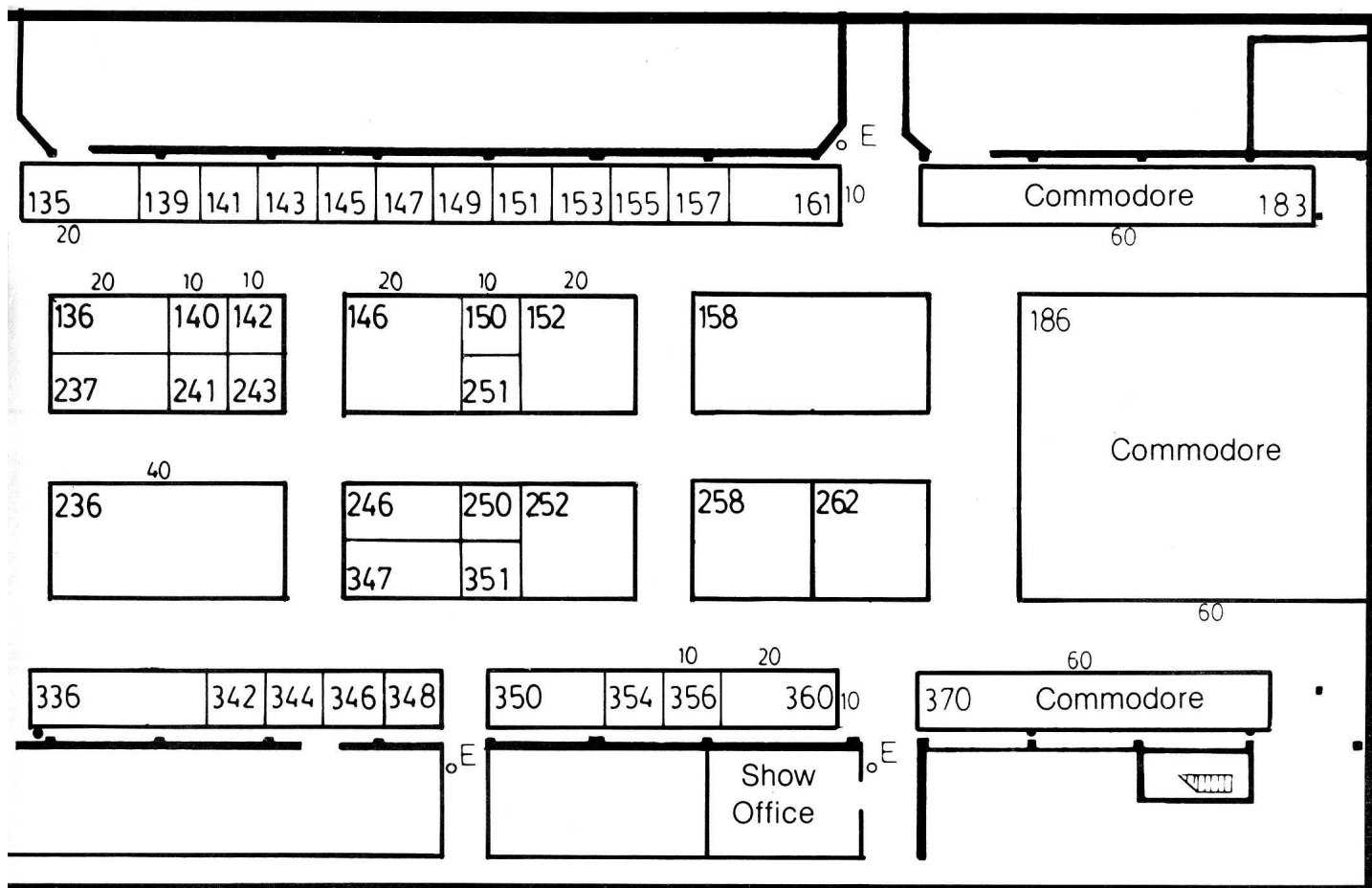
BBS: 413-525-0148

Support: 413-525-0023

FAX: 413-525-0147



- | | |
|----------------|--------------------------------------|
| 183 | Commodore Business Machines, Inc. |
| 186 | Commodore Business Machines, Inc. |
| 200–212 | North American Software Distributors |
| 201–213 | North American Software Distributors |
| 201 | Walt Disney |
| 208 | California Access |
| 209 | Data Max |
| 211 | Seven Seas Software |
| 213 | New Horizons |
| 226 | Great Valley Products |
| 230 | Gold Disk, Inc. |
| 236 | Thornhill Computers |
| 237 | Free Spirit Software |
| 243 | California Shareware |
| 246 | Canada Remote Systems |
| 247 | Creative Micro Designs |
| 251 | Parsec |
| 252 | AmiWare |



- 258** Computer Variables
- 258** Comspec Systems
- 258** Electronics 2001
- 300** Computer Express, Inc.
- 301-313** North American Software Distributors
- 309** Electronic Zoo
- 311** Merit Software
- 313** Sierra On-Line
- 314** TTR Development
- 318** Kawai
- 336** Pulsar International
- 342** Spirit Technology
- 344** Memory World
- 346** Antic Publishing
- 347** COMPUTE Publications
- 348** Pre'Spect Technics Inc.
- 354** Lake Forest Logic
- 350** Mindware International
- 356** Soft-Logik Publishing Canada
- 360** Commodore Business Machines, Inc.
- 370** Commodore Business Machines, Inc.

List of Exhibitors

The following list was current when this guide went to press.

ABACUS

Jim Oldfield
Grand Rapids, MI 49512
616-698-0330
616-698-0325 (Fax)
Booth #135

Abacus will be exhibiting its complete line of Amiga software and books—and introducing several new books in its Amiga library. *Amiga Printers: Inside and Out* and *Making Music on the Amiga* will be showcased. In addition, Abacus will make its most popular C64 software—including *Cadpak*—available at significant savings to attendees.

ACCOUNT-ABILITY

Bill King
P.O. Box 167
Norval, Ont. L0P 1K0
416-454-8544
416-453-0278 (Fax)
Booth #142

Account-Ability, the interactive, realtime Accounting System developed by giving hundreds of owners, managers, employees, accountants, and auditors of small- and medium-sized businesses what they needed and wanted. The major features include fast and easy installation, setup and use; support for hundreds of active accounting periods and unlimited networkless terminals; thousands of user-selectable combinations of realtime reports to screen or print; accounting, inventory, job-cost, invoicing, order-entry, and payroll abilities; single- and multiuser capabilities; and a free BBS.

AMAZING COMPUTING PIM PUBLICATIONS, INC.

Don Hicks
P.O. Box 869
Fall River, MA 02722
508-678-4200
508-675-6002 (Fax)
Booth #101

Amazing Computing is the longest-running monthly Amiga publication. *AC's Guide*—now presented twice yearly at 320 pages—is the only complete Amiga product guide. *AC's Tech*—published quarterly—is the first disk-based, all-technical Amiga periodical. Stop by the amazing *AC* booth—and prepare to be informed!

AMIGA WORLD/RUN MAGAZINE

Laura Livingston
80 Elm St.
Peterborough, NH 03458
603-924-9471
603-924-9384 (Fax)
Booth #113

AmigaWorld Magazine, will be selling subscriptions and special products at a discounted show price. Products available include the popular *AmigaWorld Video Library* series including *Animation Video*, *Getting Started with Your Amiga*, *Desktop Video*, *Amiga Graphics*, and *Amiga Music*; the *AmigaWorld Toolchest* bimonthly disk; *Amiga Companion* by Rob Peck; *Amiga-World* and *RUN* subscriptions; and the December issues of the magazines.

AMIWARE

Gary Jolivet
3180 Steeles Ave. E, Ste. 216
Markham, Ont. L3R 4G9
416-931-8760
416-940-8840 (Fax)
Booth #252

AmiWare will be exhibiting the following at the show: NewTek Video Toaster, SuperGen2000s, Scanlock, ProVideo Post Character Generator, Panasonic AG-1960 VCR, Panasonic AG-460 CamCorder, Panasonic MX12 video mixer, Future Video Edit controller, and list-management software. Plus the Amiga 3000 will be demonstrating multimedia applications.

ANTIC PUBLISHING

Denny Riley
544 2nd St.
San Francisco, CA 94107
415-957-0886
415-882-9502 (Fax)
Booth #346

Antic's *AMIGAPlus* is a magazine-plus-disk produced on the Amiga. High-quality programs and graphics are explained and illustrated in the magazine and demonstrated on disk. Each issue answers readers' technical questions, describes upcoming product releases, and covers news and events of interest to Amiga users.

CALIFORNIA ACCESS

Larry Lee
130A Knowles Dr.
Los Gatos, CA 95030
408-378-0340
408-378-0397 (Fax)
Booth #208

California Access, maker of the popular CA-880 external floppy disk drive, will officially unveil four new Amiga peripherals. The

flagship of this line is the Bodega Bay ergonomic expansion module of the Amiga 500, which will accommodate four 100-pin A2000 cards and three disk drives and which has an internal power supply and cooling fan. Also scheduled for display are the Malibu Board SCSI hard card, the Catalina Card 8MB RAM-expansion daughter-board, and the Rodeo Drive ultraslimline external floppy drive.

CALIFORNIA SHAREWARE

Dan Bonachea
42263 50th St. W, #422
Quartz Hill, CA 93536
805-273-0550
805-273-1748 (Fax)
Booth #243

California Shareware, a leading distributor of shareware and public domain software, will be demonstrating programs from its Amiga and IBM libraries. Pick up a free catalog, and ask our experts about programs that interest you.

CANADA REMOTE SYSTEMS

Brenda Brennan
1331 Crestlawn Dr., #D
Mississauga, Ont. L4W 2P9
416-620-1439
Booth #246

Canada Remote Systems will be exhibiting modems and offering bulletin board memberships.

COMMODORE BUSINESS MACHINES, INC

Patty Johns
3470 Pharmacy Ave.
Agincoourt, Ont. M1W 3G3
416-499-4292
Booth #183, 186, 360, 370

Commodore will have a variety of computer products at the show. The list includes Amiga 500, 2000, 2000HD, 2500, 3000 Personal Computers; PC10II, PC20, PC40, PC50, PC60 MSDOS Compatible Computers; LC286 Notebook Laptop Computer; MPS 1270 Inkjet Printer; CDTV Interactive CD-ROM Computer; Amigavision Multimedia Authoring Language; and an AT&T Unix System 5, V.412 (AMIX) Personal Computer.

COMPUTE PUBLICATIONS

Kandi Sykes
324 W. Wendover Ave., Ste. 200
Greensboro, NC 27408
919-275-9809
919-275-9837 (Fax)
Booth #347

Visit the COMPUTE booth for show specials and lower-than-ever subscription rates. Pick up the latest newsstand issue of *COMPUTE* or the Gazette and Amiga Resource subscription editions—each for only

\$1. Get a free issue with a paid subscription. Back issues and disks are also available. Special disk products include the November Gazette and Amiga disks, *SpeedScript*, *Gazette's Productivity Power Pak*, *Gazette Index*, *GEOS Collection*, *Power Tools*, *128 Classics*, and *Best Gazette Games*. Tee off with *Mean 18* on your Amiga or PC, and take home a COMPUTE ballcap for just \$11. Be sure to ask about COMPUTE books as well.

COMPUTER & YOU

Chris Barry
5230 Dundas St. W
Toronto, Ont. M9B 1A8
416-231-0205
416-239-7525 (Fax)
Booth #TBD

COMPUTER EXPRESS

Mike Grozdansvski
7050A Bramalea Rd., Unit #13
Mississauga, Ont. L5S 1T1
416-672-5595
416-672-5597 (Fax)
Booth #300

Computer Express, Inc., will be showing a variety of computer products at the show. This list includes the Amiga 500, Amiga 2000, and PC 40 III as well as Raven and Star printers. In addition, many computer accessories and Amiga/C64/IBM software will be included.

COMPUTER ODYSSEY, INC.

David Storozschuk
1186 Stone Church Rd. E
Hamilton, Ont. L8W 2C7
416-574-1401
416-574-2424 (Fax)
Booth #117

Computer Odyssey will have Commodore and Amiga hardware, software, and accessories at the show.

COMPUTER VARIABLES

Janet Dowdell
1535 Bayview Ave.
Toronto, Ont. M4G 3B5
416-481-6807
416-481-3424 (Fax)
Booth #258

Computer Variables will be showing the following Commodore computers, computer products, and printers: Amiga 2000, Amiga 2500, Amiga 500, Commodore C64, PC10-III, PC20-III, PC30-III, PC40-III, Comspec products, NEC Laser, Roland Printers, Star Printers, as well as software.

COMSPEC SYSTEMS

Nick Hooper
74 Wingold Ave.
Toronto, Ont. M6B 1P5
416-785-3553
416-785-3668 (Fax)
Booth #258

Comspec Systems will be showing Comspec hard drives at the show.

CREATIVE MICRO DESIGNS (CMD)

Charlie Christianson
50 Industrial Dr.
East Long Meadow, MA 01028
413-525-0023
413-525-0147 (Fax)
Booth #146

Creative Micro Designs (CMD) will be demonstrating and selling a full line of powerful new products for the Commodore 64 and 128 computers. These products include JiffyDOS disk drive speed-enhancement systems, CMD Hard Disk Drives, JiffyMON machine language monitors, and CMD's latest creations—RAMLink and RAMDrive, the ultimate in RAM-based expansion. CMD hopes to showcase the first public appearance of its new desktop for the GEOS environment, which is capable of task switching between two applications.

DATAMAX RESEARCH CORP.

North American Software Distributors
David Sopuch
809-77 Finch Ave. E
Toronto, Ont. M2N 6H8
416-250-7424
Booth #209

Datamax will be showing *dataTAX*, a personal income-tax-preparation software package. Save money and plan your taxes before year's end.

DISKS & LABELS TO GO

Robert Peters
Rte. 206, East Hampton Business Park
Mt. Holly, NJ 08060
609-265-1500
609-265-0818 (Fax)
Booth #161

Known nationally for its huge inventory of labels available in virtually any size, color and format you require, Disks & Labels to Go is also the leading source for bulk disks. And it carries them in a huge variety of colors—including neons. From disk duplication to custom-printed labels and sleeves, fax paper to keyboards, Disk & Labels to Go has the services and stock you need—at a savings!

ELECTRONICS 2001 LTD.

Meyer Toole
4744 Yonge St.
Willowdale, Ont. M2N 5M6
416-229-2700
416-229-4378 (Fax)
Booth #258

Electronics 2001 will be exhibiting a complete line of hardware and software—including entertainment software—for all Commodore and Amiga machines.

ELECTRONIC ZOO

North American Software Distributors
Chuck Dixon
3431-A Benson Ave.
Baltimore, MD 21227
301-646-5031
301-646-7753 (Fax)
Booth #309

The products to be exhibited by Electronic Zoo are as follows: *Black Gold*—sabotage speculation and strategy in the ruthless oil industry, *Treasure Trap*—underwater exploration for gold and treasures through more than 100 rooms, *Tennis Cup*—realistic simulation of tennis on four styles of courts featuring singles or doubles play, *Xiphos*—space adventure combining quick reaction for battles and strategy to stay alive while taking over planets, *Legend of Faerghail*—medieval adventure program, and *Berlin 1948*—save Berlin from an atomic bomb.

ERM INC.

Maxine Simons
37 Washington St.
Melrose, MA 02176
617-662-9363
617-665-4856 (Fax)
Booth #143

ERM Inc., will have a number of computer-associated accessories at the show. You will be able to see anything from blank disks in every size and capacity to disk cases, tool kits, and power strips.

FIRST CALL COMPUTER ACCESSORIES

Ken Trieu
410 Adelaide St. W Ste. #305
Toronto, Ont. M5V 1S8
416-360-7628
416-360-7792 (Fax)
Booth #109

First Call Computer Accessories will have computer disks, disk filers, modems, shareware products, printer paper, and mouse pads on display.

FREE SPIRIT SOFTWARE

Brian Sarrazin
P.O. Box 128, 58 Noble St.
Kutztown, PA 19530
215-683-5609
215-683-8567 (Fax)
Booth #237

Free Spirit will show its Barney Bear series of early education games for the Amiga. With Barney Bear, even the youngest children can play and learn for hours at a time—without your supervision! Free Spirit also will show its utility programs *Ami Alignment* and *Doctor Ami*, which are designed to let you know precisely what's wrong when your Amiga has a problem. Also on display will be *Sterling Service BBS*, the friendly bulletin board system for the Amiga.

GOLD DISK, INC.

Deanna L. Weston
5155 Spectrum Way, Unit 5
Mississauga, Ont. L4W 5A1
416-602-4000
416-602-4001 (Fax)
Booth #230

ShowMaker is a multimedia program that synchronizes playback of animation, still pictures, music, sound effects, and video titling. *HyperBook* is a free-form personal information manager. It's an easy-to-use tool for quickly creating an infinite variety of presentations, personalized databases, point-and-click indexes to pictures and other data files, interactive displays, and "smart" memo pads. *Professional Page 2.0* is Gold Disk's latest release of the top desktop publishing program for the Amiga. *Professional Page 2.0* adds new features such as full rotation of text and graphics, Pantone Matching System support, style and paragraph tags, 24-bit (16.7-million color) file support and separations, and on-screen thumbnail view.

GREAT VALLEY PRODUCTS

Greg Garnick
600 Clark Ave.
King of Prussia, PA 19406
215-337-8770
215-337-9922 (Fax)
Booth #226

Great Valley Products' engineering dominance and commitment to excellence continues to push the company and the Amiga to new heights. With an estimated worldwide installed base of some 30,000 users, Great Valley Products' reputation is well known. Great Valley Products is proud to introduce new products unmatched in quality, design, and functionality. Don't miss demonstrations of our new Series II A500-HD+.

HAHN-WALLACE PUBLISHING

Clyde Wallace
6820 Distribution Dr.
Bettsville, MD 20705
301-595-0950
301-595-0954 (Fax)
Booth #TBD

HAMILTON AMIGA USERS GROUP

Mike Begley
4465 Rogers Rd.
Burlington, Ont. L7L 1S2
416-639-5052
Booth #139

KAWAI CANADA MUSIC

Rob McCardle
6400 Shawson Dr.
Mississauga, Ont. L5T 1L8
416-670-2345
416-670-3646 (Fax)
Booth #318

Kawai Canada Music will be displaying personal keyboard models FS680, MS710, and WK50 as well as the KC10 Synthesizer and Kawai speakers.

LAKE FOREST LOGIC, INC.

Erik Quackenbush
28101 Ballard Rd., Unit E
Lake Forest, IL 60045
708-816-6666
708-680-0832 (Fax)
Booth #354

Lake Forest Logic, Inc., will show *Macro Paint*, which can display all 4096 colors in hi res. Pictures can be manipulated and saved as 24-bit images—with no additional hardware required. *Disk Mechanic* is a hard drive utility package. It repairs files with Disk Repair, speed-optimizes disks with Tune-Up, and backs up hard drives with DoubleBack. Lake Forest Logic will also display the A.D.A.P.T. 68040 assembler, which is compatible with the 68000, 68010, 68020, 68030, 68040, 68881, 68882, and 68851 and includes an optimizing linker.

MR. PUBLIC DOMAIN

Felix Rivera
115 Essex St., Ste. 146
New York, NY 10002
718-935-4374
Booth #157

MEMORY WORLD

Brad Gorzen
2476 Croyden Ct.
Bensalem, PA 19020
215-741-6225
Booth #344

MERIT SOFTWARE

North American Software Distributors
Steve Green
13635 Gamma Rd.
Dallas, TX 75244
214-385-2353
214-383-8205 (Fax)
Booth #311

Merit Software will be offering quite a few software games at the World of Commodore/Amiga show. The list includes *Sesame Street Crayon Letters for You*, *Sesame Street Crayon Numbers Count*, *Sesame Street Crayon Opposites Attract*, *At the Zoo—Electric Crayon Deluxe*, *Dinosaurs are Forever—Electric Crayon Deluxe*, *All Dogs Go to Heaven—Electric Crayon*, *Operation Combat*, and *Classic Board Games*.

MIGRAPH, INC.

Liz Mitchell
200 S. 333rd St., Ste. 220
Federal Way, WA 98003
206-838-4677
206-838-4702 (Fax)
Booth #111

Now you can capture gray-scale images for your favorite Amiga video applications with the Migraph Hand Scanner and *Touch-Up*. With this affordable hardware/software team, you can scan, edit, and manipulate any image and then save it—or any portion of it—as an optimized 16-level or apparent 31-level gray-scale IFF file. *Touch-Up* even optimizes the full-screen height for NTSC video displays.

MINDWARE INTERNATIONAL

Bob Maudzinski
110 Dunlop St. W, Box 22158
Barrie, Ont. L4M 5R3
705-737-5998
705-737-5017 (Fax)
Booth #350

Mindware International will have the following products at the show: T.A.S.S. v2.0—an extensive development system for Amiga programmers; *PageFlipper Plus R/X* v2.0—an extensive animation system with ANIM/PFX format interchange, video titling, special effects, 3-D, and synchronized sound, plus a lot of utilities; *Amiga Animation & Video Technologies* disk magazine; *DigiMate* animation system for *DigiPaint 3*; the Credit Text—a 2-D video titling system; and the *3-D Text Animator*—a 3-D video titling system.

NEW HORIZONS

North American Software Distributors
Debbie Miller
206 Wild Basin Rd.
Austin, TX 78746
512-328-6650
Booth #213

New Horizons is known for high-performance, easy-to-use productivity products. *ProWrite*, the best-selling Amiga word processor, has advanced features like a spell checking, a thesaurus, columns, multiple fonts, and graphics. *QuickWrite*, a high-performance entry-level word processor, is perfect for Amiga owners with a single floppy drive and 512K of memory. *Flow*, an idea processor and organization tool, is indispensable for organizing your creativity. And new for 1991 is *Graphic Designer*, a structured drawing tool that's powerful, fast, intuitive, and affordable.

NORTH AMERICAN SOFTWARE DISTRIBUTORS

Diane Henderson
33 Alliance Blvd., Unit 1
Barrie, Ont. L4M 5K2
705-737-5279
705-737-5979 (Fax)
Booth #100-112
200-213
301-313

North American Software is the largest Amiga Software and hardware distributor in the world. Developers demonstrating their products with North American include California Access, Datamax Research Corporation, Electronic Zoo, FTL Software Heaven, Merit Software, New Horizons, Seven Seas Software, and Sierra On-Line.

NTC SOFTWARE

Noorali
19 Passmore Ave. #8
Scarborough, Ont. M1V 2R6
416-292-9000
416-292-9126 (Fax)
Booth #136

PARSEC, INC.

John Brown
P.O. Box 111
Salem, MA 01970
617-592-1738
Booth #251

Parsec will have a number of products available at its booth. These products range from scanners to software to clip art. The list includes the HandyScanner 64, the world's first hand scanner for the C64; *Pagefox*, a complete DTP package on cartridge with 100K of RAM and compatible with the Handyscanner 64; *Character Fox*, a "clever" character set editor for use with *Pagefox*; *Masterpiece Designs*, a border and pattern collection of 141 hi-res 640 × 400 screens available in BASIC 8, GEOS, and 1541 and 1581 formats.

PRE'SPECT TECHNICS INC.

Horst Bothe
1085 St. Alexandre, Ste. 500
Montreal, PQ H2Z 1P4
514-954-1483
514-876-2869 (Fax)
Booth #348

Pre'Spect Technics, Inc., will exhibit quite a few Amiga products. For the Amiga 2000: a build-it-yourself kit from Pre'Spect's Black Tower range. The kit will give you five drive cages. For the Amiga 500: a build-it-yourself kit from the Black Workstation range. It will give you an external keyboard, internal hard drive, and internal RAM expansion. For the Amiga 500/1000: the Zorro two-slot board. The ALF2 MFM/ RLL Controller allows the use of any ST506 hard drive on your Amiga. The ALF2 SCSI Professional plus tape streamer software will let any Amiga run SCSI drives. The world's fastest controller, the ALF3, will also be shown. It gives all Amigas the ability to run SCSI hard drives. The *MultiFace Card Plus Software* gives the Amiga 2000 and 3000 two extra serial and parallel ports capable of running I/O simultaneously. Also available is the Non-Flicker TTL Cable for any Amiga.

PULSAR INTERNATIONAL

Eric Miller
414 Maple Ave.
Westbury, NY 11590
516-997-6707
516-334-3091 (Fax)
Booth #336

Pulsar International's head office in New York, and it has offices in Toronto, Canada; Koln, Germany; Belgium; and France. By supporting developers and users alike, Pulsar is now bringing to market and, most importantly, exporting many new products such as the Power PC Board, *Pixel-3D*, *Painter 3D*, Pulsar Scanners, and more.

SEVEN SEAS SOFTWARE INC.

North American Software Distributors
Otto Smith
P.O. Box 1451
Port Townsend, WA 98368
206-385-1956
Booth #211

Seven Seas Software, Inc., will be presenting *MathVISION*, a panorama of visualization techniques designed for sophisticated math and scientific visualization, graphics composition, and general exploration and enjoyment.

SIERRA ON-LINE

North American Software Distributors
Leilani Gouveia-Crowe
P.O. Box 485
Coarsegold, CA 93644
209-683-3472
209-683-3633 (Fax)
Booth #313

Sierra On-Line develops and publishes interactive adventure software for home computers. The company's products feature high-quality graphics, music, and sound effects and are designed for Amigas, IBM PCs and compatibles, Atari STs, and Macintoshes.

SOFT-LOGIK PUBLISHING CANADA

Doug Anderson
Box 206
Whitby, Ont. L1M 5S1
416-668-1468
416-668-0594 (Fax)
Booth #356

Soft-Logik will be exhibiting *Pagestream* at the show. This product is a professional-level desktop publishing program with its associated fonts and utilities.

SOFTSCAPE

Susan Hill
3044 Bloor St. W
Etobicoke, Ont. M8X 1C2
416-233-3524
Booth #126

SPIRIT TECHNOLOGY

Mel Williams
8345 E. Fifth Pl.
Tulsa, OK 74112
918-834-2509
Booth #342

Spirit Technology will be exhibiting the following products at the show: IN-1000 1.5MB internal RAM expansion board for the A1000; X-RAM, an 8MB external RAM expansion board for the A1000, A500, and A2000/2500; SIN BOARD, a 2MB internal RAM expansion board for the A500; TRAPPER, a 512K trapdoor expansion board for the A500; HDA-506, a dual hard drive system for the A500 and A1000; OCTOBYTE, an 8MB internal RAM expansion board for the A2000/ 2500; SLOT MACHINE, a dual hard drive system for the A2000/2500; INTERLOCK, a video genlock/encoder for all Amigas; the new BYTE'n'BACK, the fastest

ever hard disk backup utility for all Amigas; and the new IN-MATE internal board with math coprocessor, SCSI interface and RAM expansion to 8MB for the A500 and A2000/2500.

THORNHILL COMPUTERS

Tony Priately
7323 Yonge St.
Thornhill, Ont. L3T 2B2
416-886-2494
416-882-0342 (Fax)
Booth #236

Thornhill Computers will be showing Commodore and Amiga hardware, software, and accessories.

TRAC 36

Dan Sherritt
c/o Ancaster High School
374 Jerseyville Rd. W
Ancaster, Ont. L9G 3K8
416-648-4468
Booth #141

T. T. R. DEVELOPMENT

Todd Butson
1120 Gammon Ln.
Madison, WI 53719
608-277-8071
Booth #314

UTILITIES UNLIMITED

Peter Young
15 Kappel Circle Unit #7
Stratford, Ont. N5A 5M1
519-271-6082
Booth #107

Utilities Unlimited sells quite a few Amiga products which you may find useful. The SuperCard Amiga is a hardware/software system that enables you to back up any Amiga software. The Boot Drive Board stops that annoying clicking noise while enabling you to boot from DF1:. The Kickstart Board will allow you to install three kickstart ROMs inside your computer.

WALT DISNEY SOFTWARE

Jim Raybourn
270 Rexdale Blvd.
Etobicoke, Ont. M9W 1R2
416-743-5552
416-743-5143 (Fax)
Booth #100, 201

XETEC INC.

John Shoultys
2804 Arnold Rd.
Salina, KS 67401
913-827-0685
913-827-6023 (Fax)
Booth #129

Xetec, Inc., will be demonstrating the CDX 650e and CDX 650i CD-ROM drive systems for Amigas. Fish & More CD-ROM will be used with these systems. Xetec will also demonstrate its FastTrak family of hard drive systems.

SEMINARS & PRESENTATIONS

All seminars will be held in the seminar room located in the main exhibition hall near the Commodore booth. Admission to all seminars is free to all attendees. Arrive early to get a good seat.

FRIDAY NOV. 30

10:30 Compute-a-Drama

Speaker: John Esposito

This seminar-workshop will feature John Esposito, head of the English and Art departments at St. Michael Secondary School in Stratford, Ontario, and students from the Art department. They will demonstrate how to create computer-generated drama with a program called *Compute-a-Drama*.

More than the use of computers, which promote individual expression through music, art, and graphics, *Compute-A-Drama* allows for individual needs and reinforces the social and interactive process of the dramatic arts program.

T.A.S.S. 2.0 The premiere development system for the Amiga.

Mindware International, Booth #350

12:30 AmigaVision - A Tool for Education

Speaker: Ray Prachun

This session focuses on real-life applications of *AmigaVision*, the new authoring language tool from Commodore. Ray Prachun, a Commodore Regional Education Manager, demonstrates and explains how this powerful icon-based tool allows educators and students alike to create powerful audio-visual presentations and teaching modules. It's a fascinating and valuable seminar—make a note to attend!

Real Time Animation on the Amiga
Mindware International, Booth #350

2:30 You Ask Us Commodore Clinic

This clinic gives you the opportunity to ask all the questions you've always wanted to ask Commodore. Experts on the full line of Commodore products from the VIC-20, C64, MS-DOS, and the full Amiga product line will be present to discuss all aspects of hardware and software and answer your specific queries.

T.A.S.S. 2.0

4:30 An Educator's Introduction to CDTV

Speaker: Gail Wellington

This seminar is designed to provide an in-depth introduction to the Commodore CDTV, the new CD-ROM-based product with incredible potential in education. Don't miss this innovative and informative session to ensure you have all your CDTV questions answered.

Real Time Animation

6:30 ComLink Clinic

ComLink, Commodore's innovative educational networking solution, is now installed in over 300 locations across Ontario. This clinic is designed to allow teachers and parents alike to have their questions answered.

T.A.S.S. 2.0

8:30 Real Time Animation

SATURDAY DEC. 1

10:15 Multimedia: The Amiga Provides a Unique Answer

Speaker: Jeff Evans

MultiMedia is the new computer buzzword of the 1990s. In this seminar, Jeff Evans, Commodore's Amiga product manager, will show how any Amiga owner can create stunning and dynamic multimedia presentations, ideal for any school show and tell to the most critical boardroom presentation. It's an educational and informative session—make time to see it!

10:30 T.A.S.S. 2.0

12:30 Amiga Tricks and Tips

Speaker: Jim Butterfield

Jim Butterfield, the well-known Commodore expert, will be speaking again this year at the show. Many who've heard him speak before will make this a must-not-miss session on their schedule. New Amiga owners will find this seminar an essential stop at the show.

Real Time Animation

2:30 CDTV: Introduction to the Latest Commodore Product

Speaker: Gail Wellington

World of Commodore Amiga this year sees the introduction in Canada of CDTV—a dynamic new product based on CD technology. Attend this seminar for in-depth overview and to get your CDTV questions answered.

T.A.S.S. 2.0

4:30 You Ask Us Clinic

For details, see Friday's listing.

Real Time Animation

SUNDAY DEC. 2

10:15 Tricks and Tips for the Commodore 64

Speaker: Jim Butterfield

Jim Butterfield is known worldwide for his informative presentations and TV shows on the C64. This session allows you to learn more about your computer.

10:30 T.A.S.S. 2.0

12:30 TBA

Real Time Animation

2:30 You Ask Us Clinic

For details, see Friday's listing.

T.A.S.S. 2.0

4:30 An Introduction to AmigaVision

Speaker: Jim Ogilvie

AmigaVision is the latest software tool for all Amiga owners. A powerful authoring tool, *AmigaVision* can be used to generate a wide variety of applications: slide-show presentations, educational examples, and point-of-sale presentations, to name few. In this session, Jim Ogilvie provides an in-depth introduction designed for new *AmigaVision* owners and Amiga users interested in learning more about the program.

COMPUTE's World of Commodore/Amiga Book Specials



Mapping the Amiga

By Rhett Anderson and Randy Thompson

464 pages

Using Deluxe Paint, Second Edition

By Steven Anzovin

272 + 8 color pages

Amiga Desktop Video

By Steven Anzovin

288 + 8 color pages

AmigaDOS Reference Guide, Third Edition

By Sheldon Leemon and Arlan R. Levitan

228 pages

Mapping the Commodore 64 and 64C

By Sheldon Leemon

324 pages

Music System for the Commodore 128 and 64

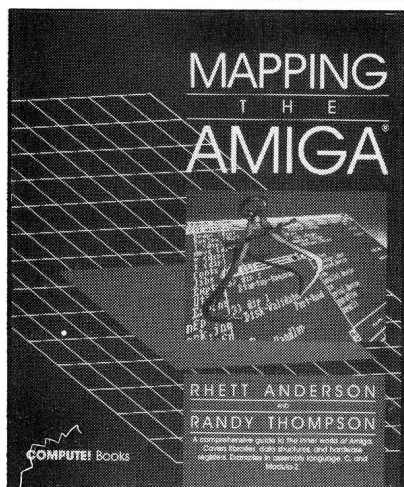
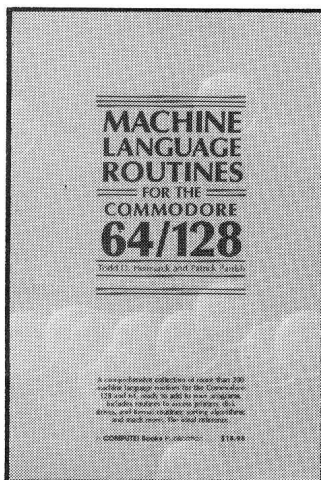
By Craig Chamberlain

274 pages Book/Disk Combination

Machine Language Routines for the Commodore 64/128

By Todd D. Heimarck and Patrick G. Parrish

585 pages



☐ **YES!** Please send the books checked below.

- ☐ Mapping the Amiga (1951) \$20.00
- ☐ Using Deluxe Paint, Second Edition (1706) \$20.00
- ☐ Amiga Desktop Video (1714) \$20.00
- ☐ AmigaDOS Reference Guide, Third Edition (1943) \$20.00
- ☐ Mapping the Commodore 64 and 64C (0823) \$16.00
- ☐ Music System for the Commodore 128 and 64 (0742) \$20.00
- ☐ Machine Language Routines for the Commodore 128 and 64 (0858) \$16.00

This offer expires December 10, 1990. Cash orders at the show. All mail orders must be paid in U.S. funds drawn on a U.S. bank. Allow four to six weeks for delivery.

_____ Subtotal
_____ Shipping and Handling (\$3 per book U.S. and Canada).
_____ Total Enclosed

___ Check or Money Order ___ MC ___ VISA
Or pay cash in Canadian funds at the show.

Signature _____ (Required)

Acct no. _____ Exp. Date _____

Name _____

Street Address _____ (No P.O. Boxes please)

City _____ State _____ ZIP _____

Send to: **COMPUTE Books**
c/o CCC
2500 McClellan Ave.
Pennsauken, NJ 08109

CLASSROOM

The classroom is located in the French Room in the International Centre behind the Main Exhibition Hall. Entrance can also be made via Entrance B.

The classroom sessions allow hands-on instruction for a limited number of attendees. Other showgoers are welcome to watch the class in progress. Some sessions will require prior registration and payment of a \$20 tuition. To ensure adequate hands-on opportunity for participants, numbers will be limited.

To book a spot in one of these hands-on classes prior to the show, please send your completed registration form with a check made payable to Commodore Business Machines no later than November 25. Book as soon as possible to ensure you get in. Send your registration form with your check or money order to Shari Mitchell, Commodore Business Machines, 3470 Pharmacy Avenue, Agincourt, Ontario, Canada M1W 3G3. Bookings cannot be accepted by telephone.

FRIDAY NOV. 30

11:00 Much More than Much Music, Session A

12:15 Much More than Much Music, Session B

Class leader: Sara Jordan

In this session, specifically designed for educators, learn how you can incorporate the Amiga's MIDI, graphics, digitizing, and titling capabilities to create music videos in your own classroom. This hands-on MIDI-Amiga presentation is led by Sara Jordan, head of music at Nelson A. Bolyen Secondary School, Toronto. Sara is well known for a series of other exciting workshops that she has presented. This hands-on music session will be limited to ten participants per session. Each session will be identical. Book early to ensure a place. A fee of \$20, payable in advance, will be charged.

2:00 Pixel Exchange

Moderator: Liz Wilde

This session is a forum designed for teachers and students to participate in an exchange of ideas, creative thoughts, and computer graphics expertise. It's an opportunity for all artists to take part in an Amiga Pixel Exchange, a computer graphics, animation and creativity show and tell. Plan to attend this unique session with your students!

Liz Wilde, a freelance artist and computer graphics consultant with more than 15 years' experience in education, has conducted many seminars for educators, both independently and on behalf of Commodore.

4:30 Developers Mini-Conference

For registered developers. Closed to other show attendees.

SATURDAY DEC. 1

11:00 AmigaVision

Class leader: Kelly Parke, Troy Hacker, and Richard Dudley

In this informative hands-on workshop, presented by the staff of the Department of Instructional Aid Resource of York University, you'll learn how to create a complete *AmigaVision* module. Techniques and experience will be acquired while using *DeluxePaint III*, *DigiView*, *Perfect Sound*, *Audio Master*, and the latest animation software from Disney Software. Once the components have been created, the class will generate an *AmigaVision* example in this dynamic session designed with educators in mind. Classroom size limited in this hands-on session—don't delay, book today! A fee of \$20, payable in advance, will be charged.

2:00 Video Painting on the Amiga

Class leaders : Darla May and Liz Wilde

Create images with the painting, drawing, and animation tools from *DeluxePaint III*. Try your hand at digitization or using the graphics drawing pad; then string your images together with *AmigaVision*. For that finishing touch, add sound to your presentation. This workshop will be conducted by two exciting presenters, Darla May and Liz Wilde, visual arts teachers and computer graphics consultants. Join us for an informative and practical session ideal for educators and students. Numbers for hands-on participation in this session will be limited. Early registration is advised to avoid disappointment. A fee of \$20, payable in advance, will be charged.

4:00 TBA

SUNDAY DEC. 2

11:00 AmigaVision: Getting Started—Hints and Tips.

Speaker: Jim Ogilvie

This session is designed for anyone who wishes to get hands-on experience with *AmigaVision*. No previous knowledge of *AmigaVision* is required. Attend this session to find out more about *AmigaVision*, learn valuable tips and hints, and become quickly productive.

2:00 Introduction to Desktop Video

Speaker: Gord Britnall

Allow Gord Britnall, an experienced educator, to show you how easy it is to add titling, animation, and digitized images to your students' video productions. Numbers for hands-on participation in this session will be limited.

Gord Britnall is a video producer working with the North York School Board. He has worked with students both through workshops and assisting with original productions. He has been using the Amiga for more than two years for titling and animation. A fee of \$20 payable in advance will be charged.

4:00 Multimedia

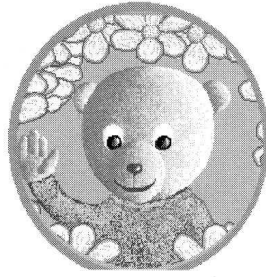
Speaker: Jeff Evans

MultiMedia is the new computer buzzword of the 1990s. In this hands-on workshop, Jeff Evans, Commodore's Amiga product manager, will show you how you can create stunning and dynamic multimedia presentations.

FREE SPIRIT SOFTWARE

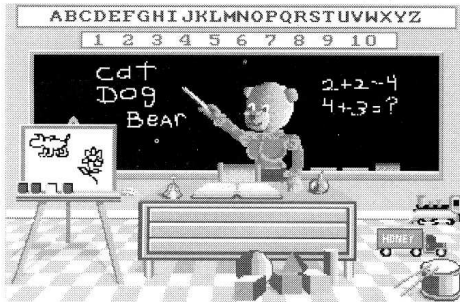
58 NOBLE STREET • KUTZTOWN, PA • 19530

Here's some learning fun for your children--it's the Barney Bear series of early education games for the Amiga. Now even the youngest children can play and learn for hours at a time--without your supervision! Each learning game starts with story time. Here, children are given an entertaining, interactive story, complete with music, animation, sound effects, and speech that make learning fun. After story time, children can entertain themselves with the many learning activities, all of which



are selectable by clicking pictures. These activities vary from game to game and involve items such as the alphabet, numbers, "I Can Read" stories, color games, and matching games. And each program includes a full-featured coloring book program with pages and pages of pictures.

Now your children can explore the world of computer learning all by themselves. So help your children grow with Barney Bear today!



Suggested retail price: \$34.95

BARNEY BEAR GOES TO SCHOOL

It's the first day of school for Barney Bear!

Barney Bear helps children see just how much fun learning can be. Your children will help Barney Bear wake up, get dressed, eat breakfast, and go to school-with many opportunities to experiment and explore all along the way. Once there, children explore traditional learning in a school environment.

Barney Bear Goes to School includes the numbers and counting games, the alphabet and letter games, colors, shapes, and the coloring book program.



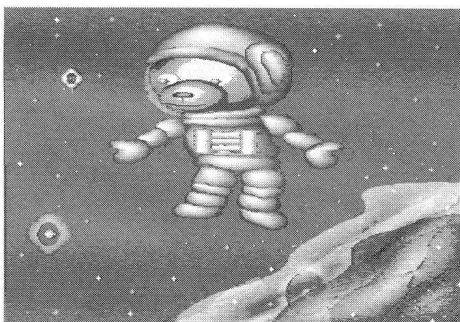
Suggested retail price: \$34.95

BARNEY BEAR GOES TO THE FARM

Barney Bear goes to his grandparents farm!

Barney Bear learns about the necessary chores around the farm during the day, but later there's time to hear stories and play games. Your children will learn about farm animals, where milk comes from, and just how important farming is to our daily lives.

Barney Bear Goes to the Farm includes ten short "I Can Read" stories about farm animals, a mix-up-the-parts scarecrow, a "What Belongs?" game, and the coloring book program.



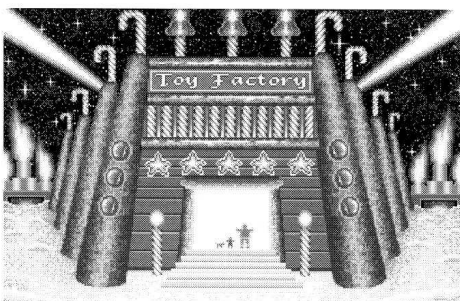
Suggested retail price: \$34.95

BARNEY BEAR GOES TO SPACE

Join Barney Bear on his adventure in space!

Space is exciting for children and Barney Bear presents space-related information in an entertaining way. Barney Bear accidentally joins the astronauts on the Shuttle when he falls asleep on the loading conveyor belt.

Barney Bear Goes to Space includes information on all the planets in the solar system, a short history of space travel, fun facts about space, a game of repeat-the-pattern, and the coloring book program.



Suggested retail price: \$34.95

BARNEY BEAR MEETS SANTA CLAUS

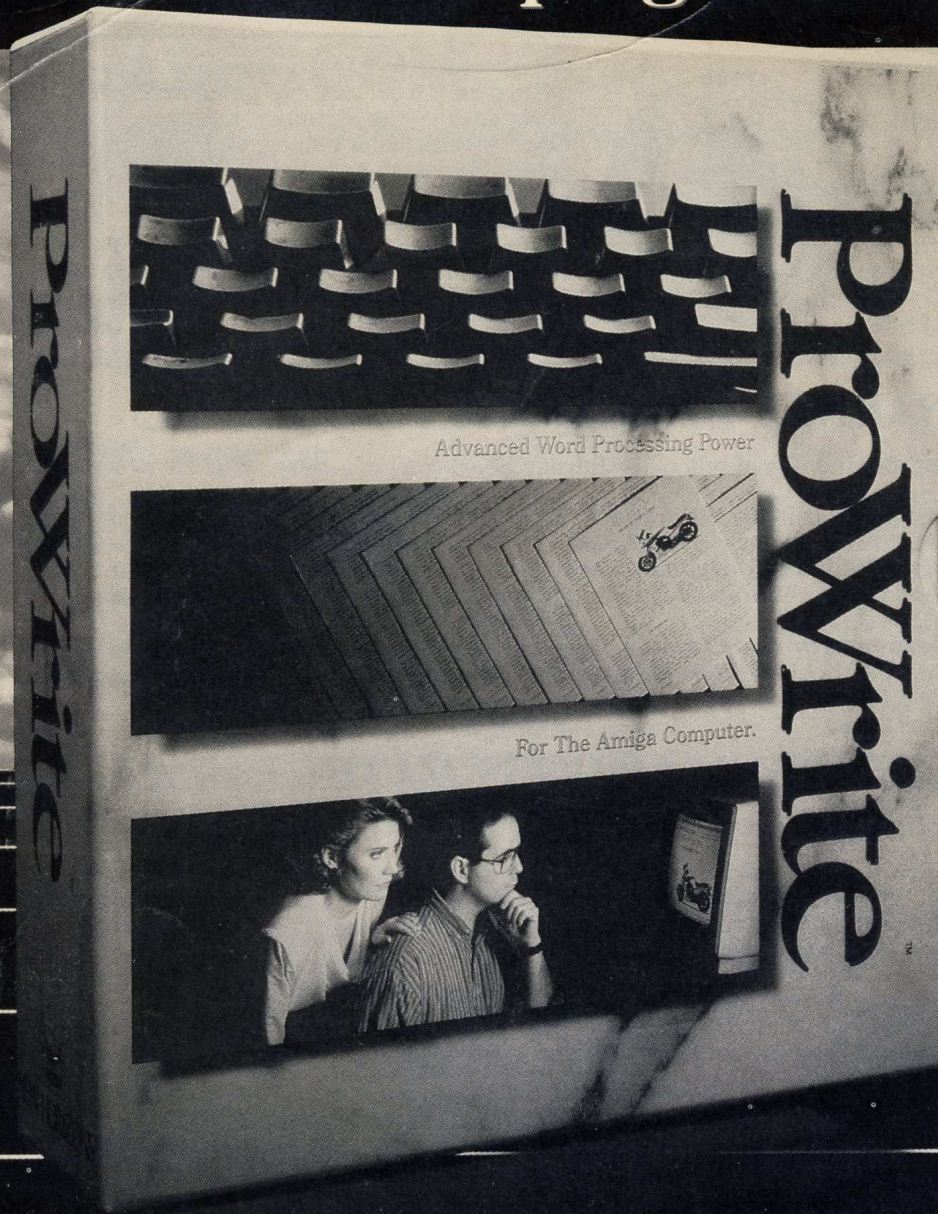
Travel with Barney Bear to Santa's workshop at the North Pole!

Santa Claus comes down the chimney at Barney Bear's house and Barney is still awake! So Santa invites Barney to take a ride on his sleigh and to visit his workshop. Barney Bear meets elves, sees the toy factory, and gets to make toys.

Barney Bear Meets Santa Claus includes a mix-up-the-parts toy machine, a memory game, and the coloring book program.

COME SEE US IN BOOTH #237!

How Does The Competition Measure Up Against ProWrite?



They Come Up Short.

ProWrite®. Performance That Stands Out In A Crowd.

In this highly competitive world, there is always a leader. An innovator. The one that the competition looks up to. In the world of Amiga word processors, ProWrite is that leader.

ProWrite has the high performance features you need. A 100,000 word spelling checker that can check as you type. A thesaurus with over 300,000 cross references. Multiple columns with both snaking and parallel text flow. Multiple fonts and graphics. Powerful macros. Exceptional speed.

With all this and more, ProWrite stands head and shoulders above the competition.

Which is why ProWrite is the best selling Amiga word processor. And the best choice for every Amiga owner.

Because it is always better to lead than to follow.

Look To The Leader In Amiga Word Processing.

Like all of our products, ProWrite combines high performance, an intuitive environment, and easy to use commands. When it comes to powerful yet practical word processing, ProWrite is the target the competition shoots for.

So whatever your word processing needs, from A/V scripts, to novels, business

reports, storyboards, or letters to Aunt Agnus, go straight to the top. Discover the power of ProWrite from New Horizons.



First In Personal Productivity And Creativity

New Horizons Software, Inc.
206 Wild Basin Road, Suite 109
Austin, Texas 78746 (512) 328-6650

ProWrite is a registered trademark of New Horizons Software, Inc.
Amiga is a registered trademark of Commodore-Amiga, Inc.